consonance

forbidden city series LIU

User Manual

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USER GUIDE

Congratulations on your new CONSONANCE!

Opera Audio products are based on a simple philosophy:
The component shall reproduce the original musical sound, purely and naturally.

The products are easy to operate and are manufactured according to the best quality principles.

All CONSONANCE products are created with acoustical instruments in a concert situation as point of reference.

The music is reproduced exactly like the original and is limited only by the quality of the recording.

Our aim is to give you the best possible music experience!

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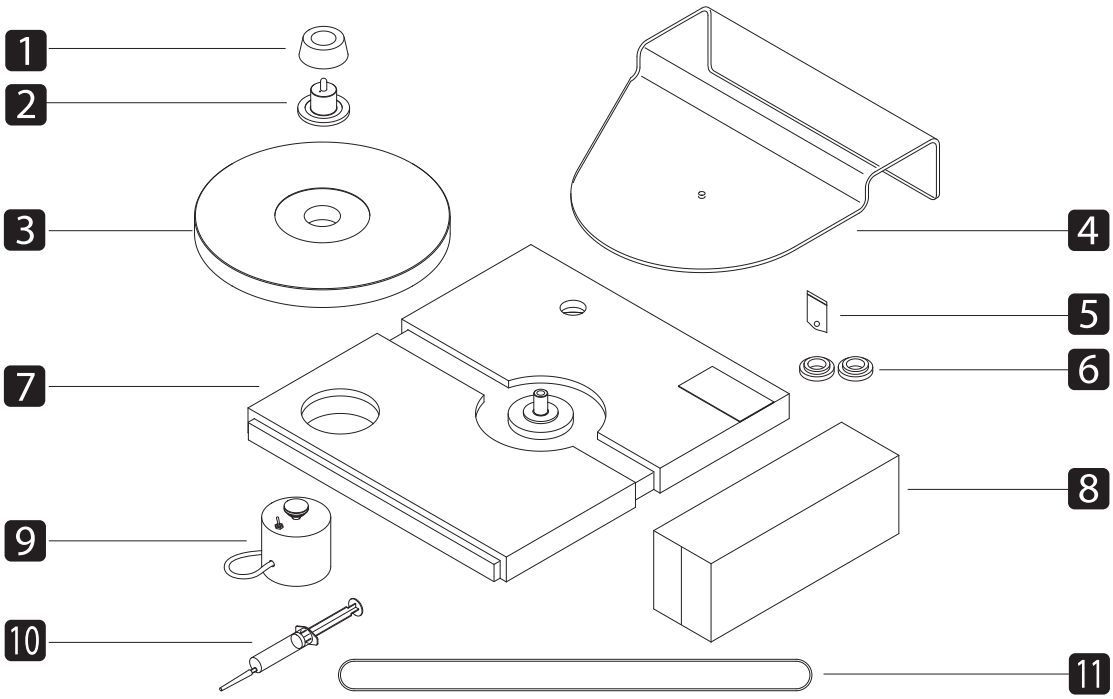
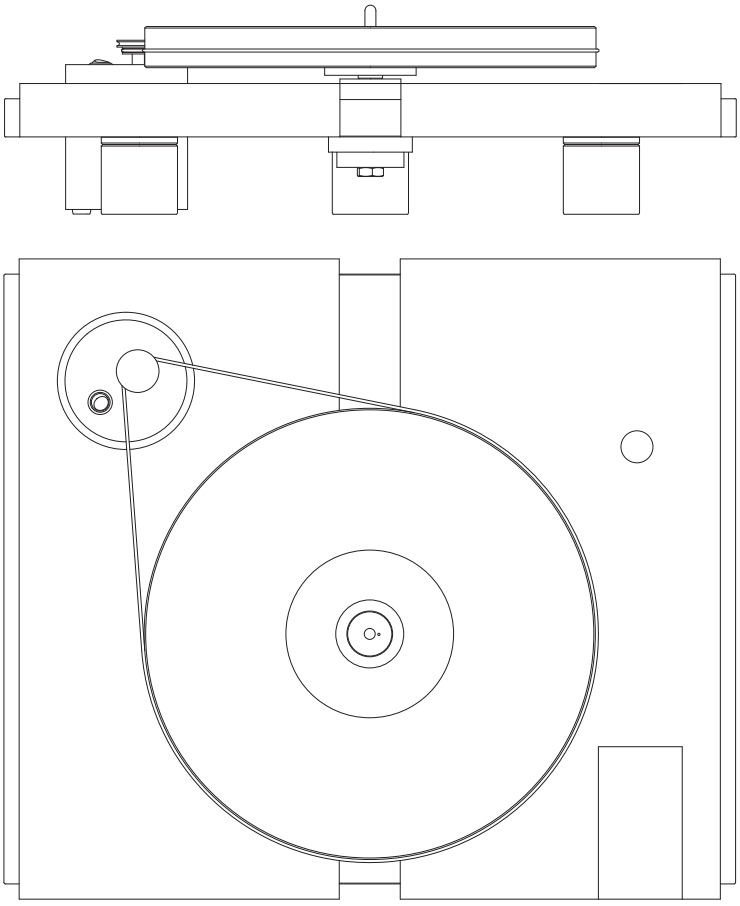
PACKING LIST



1 Damping ring (×1)
2 Bearing housing (Stainless steel) (×1)
3 Platter (machined black acrylic) (×1)
4 Dust cover (acrylic) (×1)
5 Ball bearing (ceramic) (×1)
6 Graphite cushion (damping stuff for tone-arm spindle fixing) (×2)
7 Turntable base (sub chassis) (×1)
8 ST100 tone-arm (with 5 pins cable) (×1)
9 Motor housing (with power cord) (×1)
10 Lubrication oil (5 ml syringe)
11 Drive belt (rubber) (×1)



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ASSEMBLING

Fig.1

Open the box and take out all the components. Place the main turntable base upon a rock with flat surface. Remove the protective covering of the bearing shaft and ensure it is totally clean using a lint free cloth.

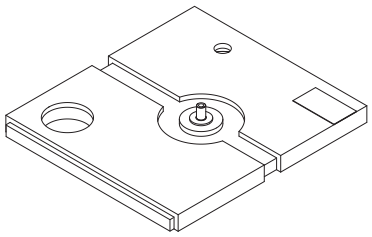


Fig.2

Put on the cotton gloves and pick up the black acrylic platter, with the dip for the record label uppermost. Hold it level over the damping ring right upon the bearing housing, locate it carefully and gently lower it until it seats fully over the damping ring and bearing.

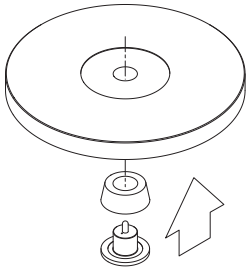


Fig.3

Place the ball bearing into the hollow.

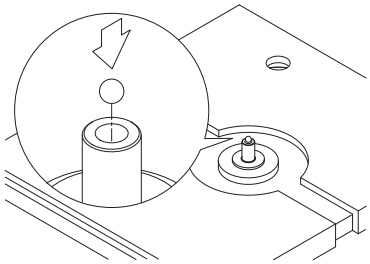


Fig.4

Put the black acrylic platter fixed with bearing housing very gently down over the shaft taking care not to displace the ball. It will be a very tight fit but once engaged it can drop suddenly - lower the black acrylic platter fixed with bearing housing carefully by hand to prevent this. Now spin the bearing to ensure it runs smoothly.

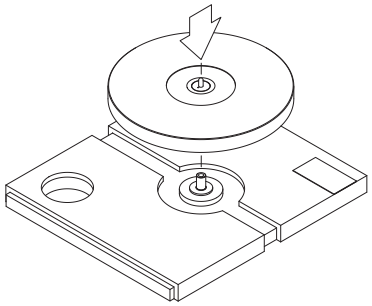


Fig.5

Using the supplied syringe put a few drops of oil (0.5ml around) into the small hole at the top of the spindle. Once you've done this turn the bearing whilst gently lifting the bearing housing. The oil will disappear into the bearing and wash down the shaft. Because of the very tight clearances of the bearing there may still be small amounts of 'friction' - this will disappear as the bearing runs in.

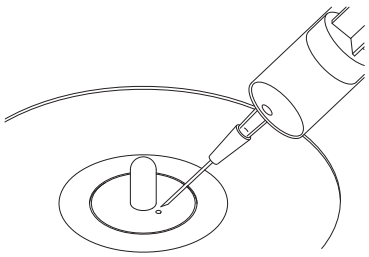


Fig.6

Take out the motor housing and place it through the motor hole on the sub chassis by lifting a little the left side of sub chassis.

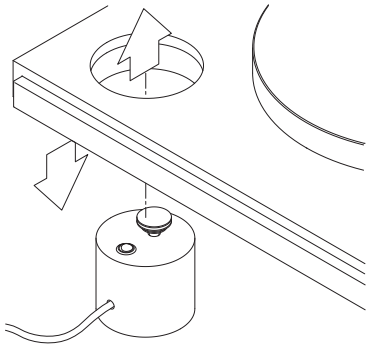


Fig.7

Take out the drive belts and run it round the motor spindle and then round the platter. There are two ruts on the pulley of motor. The above rut is for 45 rpm, and the nether rut is for 33⅓ rpm. Different ruts for the different speed. Only one switch control the motor. It could be found on the top of the motor housing and is a simple on/off. By moving the motor housing by small amounts the drive belt can be adjusted to grip comfortably without undue slippage or coming off. The exact tension can simply be adjusted at any time by moving the motor housing.

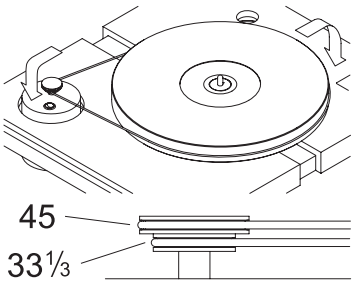


Fig.8

Use the adjustable feet of the turntable to level the turntable using the built-in spirit level.

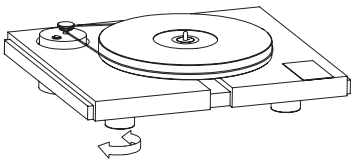


Fig.9

Fix the tone-arm spindle with the 2 graphite cushion as damping stuff on the both side of the main turntable base.

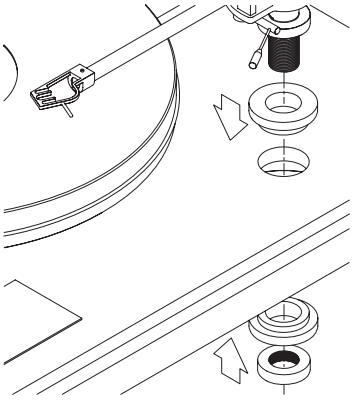


Fig.10

Connect the power cord of motor to the outlet of mains and the 5 pin cable to the phono amp, you can start to play liu.

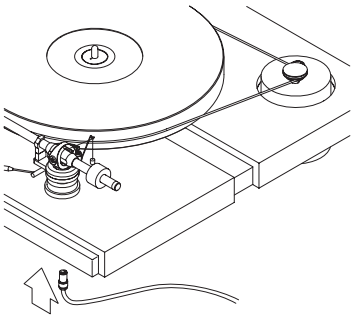
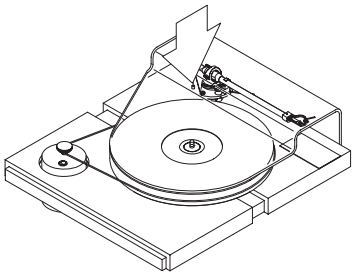


Fig.11

Recommend to use the dust cover while liu stop working.



TECHNICAL SPECIFICATION	
Wow and Flutter	Less than 0.2
Rumble	Greater than 80dB down
Speed accuracy	Within 0.01%
Motor AC power connection	220V~240V 50Hz /100V~120V 60Hz AC （dependent on country）

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USE & PLACEMENT

The Consonance LIU LP should be placed on a flat, hard surface for proper standing. The turntable performs best after being switched on for 2 minutes for running smooth. A certain space is required for tunearm moving above the turntable on the right side. The turntable must never be placed on a soft or unstable base. Nor must it be covered while in use or placed on a narrow shelf or in another confined space.

CLEANING

The base of the turntable and turnarm as well as the motor are made of solid, powder coated aluminum. Fingerprints can be removed with a cloth moistened with warm water. A silk cover would be the best keeping dust away from the whole LP system.

NOTE & WARNING

Opening of the product by non-authorized personnel will void the guarantee. The products must not be exposed to rain or moisture. Motor should only be opened or serviced by certified technicians. The devices contain electronic components that can cause severe electric shock. Work performed on Consonance products by unqualified personnel can cause serious damage and personal injury.

GUARANTEE & WARRANTY

Opera audio guarantees each product manufactured by us to be free from defects in materials and workmanship under normal use. Our obligation under this warranty is limited to making good at our factory any part or parts thereof which shall, within 1 year after delivery to the original purchaser, be returned to us with transportation charges prepaid, and which an examination shall disclose to have been thus defective; this warranty being expressly in lieu of all other warranties expressed or implied and of all other obligations or liabilities on our part. This warranty shall not apply to any Opera audio product which shall have been repaired or altered outside of our factory in any way so as to affect its stability, nor which has been subject to misuse, negligence or accident. Warranties of the vacuum tubes are by the respective manufacturers, usually 90 days.
In case you should need assistance with your Consonance product please find the nearest dealer or distributor by looking at our web page: www.opera-consonance.com In case you have problems locating your dealer or distributor please e-mail to operaamp@vip.163.com

Please mail or e-mail the Registration Card to the address as follow:
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Tel: 86 10 64377091
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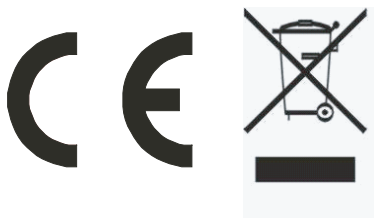
support@opera-consonance.com



REGISTRATION CARD

Name	
Address	
City	
State	
Zip	
Email	
Telephone	
Model	
Serial Number	
Purchase Date	
Dealer	